



**Secolube Tool Oil – Industrial hygiene, toxicology and material safety
DATA SHEET**

TX221/89

**Secolube Tool Oil comprises of oil produced by Texaco Ltd.
Secolube is supplied in 125cc bottles, part numbers 80301 (Individual) and 80302
(pack of 6). Samples are also supplied in 30cc containers.**

UK product code and name 630073 TEXAMATIC 9226

International product code 01841

Manufacturer's or Vendor's Name and Address

TEXACO LTD

1 KNIGHTSBRIDGE GREEN

LONDON

ENGLAND

SW1X 7QJ

Emergency Telephone No. 071 584 5000

(Outside office hours) 071 499 1968

Chemical Name and/or Family or Description

Transmission fluid

**THIS PRODUCT IS CLASSIFIED AS : NON-HAZARDOUS
BY DEFINITION NO.(S) :**

ON ATTACHED EXPLANATION SHEET

WARNING STATEMENT

NONE CONSIDERED NECESSARY

OCCUPATIONAL CONTROL PROCEDURES

Protective Equipment (Type)

Eyes Chemical type goggles or face shield optional.

Skin Exposed employees should exercise reasonable personal cleanliness: this includes cleansing exposed skin areas several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.

Inhalation None required if exposures are within permissible concentrations; see p2

Ventilation Normal

EMERGENCY AND FIRST AID PROCEDURES

First Aid

Eyes As with most foreign materials, should eye contact occur, flush eyes with plenty of water

Skin Wash exposed areas with soap and water

Ingestion None considered necessary

Inhalation None considered necessary

Other Instructions None

PHYSIOLOGICAL EFFECTS

Effects of Exposure

Acute :

Eyes Believed to be minimally irritating.

Skin Believed to be minimally irritating.

Respiratory System Believed to be minimally irritating if not in excess of permissible concentrations: see below.

Chronic : Not determined.

Other :

Sensitization Properties

Skin : Unknown

Respiratory : Unknown

Median Lethal Dose (LD50, LC50) (Species)

Oral Believed to be >5g/kg (rat)

Inhalation Not determined.

Dermal Believed to be > 3 g/kg (rabbit).

Irritation Score (Species)

Skin Believed to be < 0.5/8.0 (rabbit)

Eyes Believed to be < 15/110 (rabbit)

Permissible concentrations :

5 mg/cubic metre of air for mineral oil mist averaged over an 8 hour daily exposure (HSE Guidance Note EH40).

FIRE PROTECTION INFORMATION

Ignition Temp., C N.D. **Flash Point, C(Method)** 178 min (ASTM D92)

Flammable limits % **Lower** N.D **Upper** N.D

Products Evolved When Subject to Heat or Combustion

Oxides of carbon, aldehydes and ketones, combustion products of nitrogen, sulphur, phosphorus.

Recommended Fire Extinguishing Agents and Special Procedures

Water spray, dry powder, foam or carbon dioxide. Water or foam may cause frothing. Use water to cool fire exposed containers. If leak or spill has not ignited, use water spray to disperse the vapours and to provide protection for persons attempting to stop the leak.

Unusual Fire or Explosive Hazards

None



UK product code and name 630073 TEXAMATIC 9226
International product code 01841

ENVIRONMENTAL PROTECTION

Waste Disposal Method

Dispose in accordance with local laws and regulations governing disposal of oily wastes.

Procedure in Case of Breakage or Leakage

Contain spill if possible. Wipe up or absorb on suitable material and shovel up.

Remarks

Do not pollute drains, water or the soil

PRECAUTIONARY REQUIREMENTS

Precautionary Label

Hazard symbol/warning No precautionary label required

Risk phrases The product is not considered dangerous under the CPL regulations

Safety phrases

Precautionary Requirements for Transportation

None necessary.

UN Identif No

ADR/RID Class

IMO Class

ICAO Class

Hazchem code

CHEMICAL AND PHYSICAL PROPERTIES

Boiling Point, C	N.D.	Vapour Pressure, kPa	N.D.
Density at 15 C	0.8650 (H ₂ O = 1)	Vapour Density	N.D.
Appearance and Odour	Red coloured liquid: mineral oil		
pH of undiluted product	N.A.	Solubility in water	Insoluble
Percent Volatile by Volume	N.D.	Evaporation	N.D.
Viscosity 35 cSt at 40 C		Other	
Hazardous Polymerizations	Do not occur		
The Material Reacts Violently With :	Strong oxidiser		

COMPOSITION

Components Presenting a Significant Hazard	Wt %	Other Components	Wt %
		Mineral oil	>90
		Additive package containing boron, nitrogen sulphur, phosphorus	5-10
		Polymethacrylate	1-5
		Red dye	ppm

ADDITIONAL COMMENTS

Note: Data contained herein is believed to be correct at time of printing.
See attached explanation for conditions under which data is furnished.

By : B E Keal

Title : Mgr Safety & Environmental Affairs

Revision date : 16 JULY 1990

Previous revision date : 16 JULY 1990



TEXACO LTD

EXPLANATION OF THE INDUSTRIAL HYGIENE, TOXICOLOGY, AND MATERIAL SAFETY DATA SHEET

TX2215/89

NOTE: This Data is furnished for your investigation and independent verification. Users of the product must ensure its proper use in accordance with good industrial practice, proper medical advice and any official or Government notices or publications. Your attention is drawn to package markings and to our Conditions of sale. This data is furnished gratuitously independent of any sale of the product and does not form part of any contract for sale nor does it constitute any representation warranty or condition of merchantability or fitness for purpose.

PRODUCT INFORMATION

- (1) Trade Name and Synonyms: refers to the code number and name under which the product is marketed and is the common commercial name of the product.
- (2) Manufacturer's or Vendor's Name and Address: self explanatory.
- (3) Chemical Name and/or Family or Description: refers to the chemical generic or descriptive name of single elements and compounds.

HAZARDOUS CLASSIFICATIONS

For purposes of this form a product is defined as hazardous, if it possesses one or more of the following characteristics.

- (1) Extremely Flammable: flash point less than 0 C and boiling point less than or equal to 35 C.
- (2) Highly Flammable: flash point less than 21 C.
- (3) Flammable: flash point equal to or greater than 21 C and less than or equal to 55 C.

	LD50 absorbed orally in rat mg/kg	LD50 percutaneous absorption in rat or rabbit mg/kg	LD50 absorbed by inhalation in rat mg/litre/4 hours
(4) Very Toxic	to 25	to 50	to 0.5
(5) Toxic	25 to 200	50 to 400	0.5 to 2
(6) Harmful	200 to 2000	400 to 2000	2 to 20

- (7) Corrosive: destroys living tissues on contact.
- (8) Irritant: can cause inflammation through immediate, prolonged or repeated contact with the skin, the eyes or the respiratory system.
- (9) Sensitizing: may cause skin or respiratory sensitization.
- (10) Carcinogenic, teratogenic or mutagenic.
- (11) Has an exposure limit below 500 ppm for gases and vapour, 5 mg/m³ for dusts, fumes and mist, and below 880 particles per ml for mineral dust.
- (12) May cause asphyxia or pneumoconiosis.
- (13) In the course of normal operations may produce dusts, gases, fumes, vapours, mist or smoke which have one or more of the above characteristics.

WARNING STATEMENT: Refers to one or more of the above characteristics.

PHYSIOLOGICAL EFFECTS

- (1) Acute Exposures (Eye, Skin, Respiratory System): refers to the effects most likely to occur from direct contact with the product.
- (2) Chronic: refers to the effects that are most likely to occur from repeated or prolonged exposure.
- (3) Sensitizer: Means a substance which will cause on or in living tissue, through an allergic or photodynamic process, a hypersensitivity which becomes evident on reapplication of, or exposure to, the same substance
- (4) Median Lethal Dose or Concentration (LD50, LC50): the dose or concentration of the material which will produce death in 50 percent of the animals.
For inhalation, exposure time is indicated.
- (5) Irritation Index: Refers to an empirical score (Draize Method) for eye and skin irritation when tested by the method described. If numbers are not available, a yes or no answer indicates whether or not the material is an irritant.

EMERGENCY AND FIRST AID PROCEDURES

These are in case of, eye and/or skin contact, ingestion and inhalation.

OCCUPATIONAL CONTROL PROCEDURES

- (1) Protective equipment: the equipment necessary for the safe handling and use of the product.
- (2) Ventilation: type of ventilation to be adopted i.e. local exhaust, mechanical, etc
- (3) Precautionary label: the label that is required or recommended.
- (4) Permissible Concentrations: indicates Occupational Exposure Limit as defined by HSE Guidance Note EH40.
- (5) Requirements for Transportation: gives identification number (ADR/RID, IMO, IACA, UN) for transportation.

CHEMICAL AND PHYSICAL PROPERTIES

- (1) Boiling Point (or Range): in degrees C, Boiling Point at 101.3 kPa
- (2) Vapour Pressure: refers to pressure of saturated vapour above the liquid expressed in kPa at 20 C
- (3) Density at 15 C: the ratio of the mass of the product to the mass of an equal volume of water at 15 C
- (4) Vapour Density: the ratio of the density of saturated vapour to the density of air at 20 C & 101.3 kPa.
- (5) Appearance and Odour: refers to general characteristics e.g. powder, colourless liquid, aromatic odour etc.
- (6) pH: refers to the acidity or basicity of the product in a specific concentration. pH 1 to 5 strongly acidic, pH 5 to 7 weakly acidic, pH 7 to 9 weakly basic, pH 9 to 14 strongly basic.
- (7) Solubility: by weight in water at room temperature.
< 0.1% negligible, 0.1 to 1.0% slight, 1.0 to 10.0% moderate, > 10.0% appreciable. Solubility in organic solvents is given where appropriate.
- (8) Percent volatile by volume: amount volatilized at 20 C when allowed to evaporate.
- (9) Evaporation: gives the rate of evaporation when compared to a standard.
- (10) Viscosity: measure the flow characteristics in kinematic viscosity.
- (11) Hazardous Polymerization: a reaction which takes place at a rate which releases large amounts of energy. Indicates whether it may or may not occur and under what storage conditions.
- (12) Material Reacts Violently: a reaction which releases large amounts of energy. Indicates whether it may or may not occur in the conditions listed.

FIRE PROTECTION INFORMATION

- (1) Ignition Temperature: the minimum temperature at which ignition will occur and burning will continue without further heating or application of flame.
- (2) Flash Point: the temperature at which a liquid will give off enough flammable vapour to ignite.
- (3) Flammable Limits: the lower and upper flammable limits are the range of gas or vapour concentrations (percent by volume in air) which will burn or explode if an ignition source is present.
- (4) Products evolved when subjected to heat or combustion: includes temperature at which oxidation or other forms of degradation occur.
- (5) Recommended fire extinguishing agents and special procedures: specifies fire extinguishing agents and, if necessary, special procedures and unusual fire hazards.
- (6) Unusual fire or explosive hazards: lists specific hazards to personnel in case of fire or explosive danger.

ENVIRONMENTAL PROTECTION

Specifies how to successfully dispose of this product, and the precautions necessary when leakage or breakage occurs. Included are

- (1) Clean-up procedures
- (2) Necessary personal protective equipment
- (3) Hazards that may be created, i.e. fire, explosion etc.

COMPOSITION

Components of the product as manufactured